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2600 - 160 Elgin Street
OTTAWA Ontario
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Application No. : 2,342,428
Owner : SAMSUNG KWANGJU ELECTRONICS CO., LTD.
Title : FLOOR CLOTH FOR USE IN VACUUM CLEANER AND
APPARATUS OF VACUUM CLEANER FOR ROTATABLY
DRIVING THE FLOOR CLOTH
Classification : A47L-9/10
Your File No. : O8-890884CA
Examiner : Omar Nasreddine, M.Sc. (Eng.)

IN ACCORDANCE WITH SUBSECTION 30(2) OF THE PATENT RULES, YOU ARE HEREBY NOTIFIED OF A REQUISITION BY THE EXAMINER. IN ORDER TO AVOID ABANDONMENT UNDER PARAGRAPH 73(1)(A) OF THE PATENT ACT, A WRITTEN REPLY MUST BE RECEIVED WITHIN 6 MONTHS AFTER THE ABOVE DATE.

This application has been examined as originally filed.

The number of claims in this application is 27.

The claims are directed to a plurality of alleged inventions as follows:

Group A - Claims 1-20 are directed to an apparatus for rotatably driving a floor cloth employed in a suction assembly of a vacuum cleaner and power supplying means; and
Group B - Claims 21-27 are directed to a floor cloth removably employed in a mounting position at a lower end of a suction assembly of a vacuum cleaner and supporting means for the cloth to improve cleaning efficiency.

The claims must be limited to one invention only as set out in Section 36 of the Patent Act.

In view of the above, a search of the prior art has been limited to the subject matter in claims 1-20.

References Applied:

Swiss Patent

CH165489

30 November 1933 Schmidlin

Japanese Application

Canada



55-054926

22 April 1980

Matsushita Electric Ind Co

United States Patents

5,054,156

Oct. 8, 1991

Watanabe et al.

Schmidlin discloses a vacuum cleaner having a suction assembly 1 underneath which a plurality of brushes 7 are disposed. The brushes 7 are connected to bevel gears 15 driven by corresponding bevel gears 14 the latter being mounted on an externally driven rotating shaft 13 in such a way that the axis of shaft 13 coincides with the axes of bevel gears 14 and is perpendicular to the axes of bevel gears 15 .

Matsushita Electric Ind Co discloses a vacuum cleaner suction head comprising a housing 1. Underneath the housing, two rotating members 11 carrying brushes are disposed. the rotating members 11 are disposed on one of the distal ends of two shafts 10 carrying gears 9 on the other distal end. The gears 9 are driven by means of worm gears 8 connected to a rotating impeller 5 the latter being rotated by the suction force of the vacuum cleaner.

Watanabe et al. disclose a suction nozzle with a rotary brush 3 for a vacuum cleaner having a power supplying means to operate a cleaner suction motor 2. Lead wires 48 are wired from connecting pins 47, the wires 48 being protected by means of a first protection cover 49 and a second protection cover 50.

The examiner has identified the following defects in the application:

Claims 1 and 17 do not comply with Paragraph 28.2(1)(b) of the Patent Act. Schmidlin disclosed the claimed subject matter before the claim date.

Claim 2 does not comply with Section 28.3 of the Patent Act. The subject matter of this claim would have been obvious on the claim date to a person skilled in the art or science to which it pertains having regard to Schmidlin in view of Watanabe et al.

Claims 3-16 do not comply with Section 28.3 of the Patent Act. The subject matter of these claims would have been obvious on the claim date to a person skilled in the art or science to which they pertain having regard to Schmidlin in view of Matsushita Electric Ind Co.

Under Section 29 of the Patent Rules, applicant is requisitioned to provide an identification of any prior art cited in respect of the corresponding United States application and the patent number, if granted. Amendment to avoid references cited abroad may expedite the prosecution. If the particulars are not available to the applicant, the reason why must be stated.

Under Section 29 of the Patent Rules, applicant is requisitioned to give the latest status of the corresponding European Patent Office application and the patent number, additional art cited, and any conflict, opposition, re-examination or similar proceeding encountered.

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In view of the foregoing defects, the applicant is requisitioned to amend the application in order to comply with the Patent Act and the Patent Rules or to provide arguments as to why the application does comply.

Omar Nasreddine, M.Sc. (Eng.)

Patent Examiner

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